

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/07317

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D473/00 C07D473/30 C07D473/34 C07H19/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D C07H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 488 336 A (YAMASA SHOYU KK) 3 June 1992 (1992-06-03) page 4 -page 7; tables 1A,1B ---	1
X	ADAH S A ET AL: "Triflic Enolates In the Palladium-Mediated Synthesis of Complex Ethynyl Adenosines" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 36, no. 36, 4 September 1995 (1995-09-04), pages 6371-6372, XP004027233 ISSN: 0040-4039 the whole document --- -/--	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*G\* document member of the same patent family

Date of the actual completion of the international search

31 October 2003

Date of mailing of the international search report

05/12/2003

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	NAIR V ET AL: "STRATEGICALLY FUNCTIONALIZED ADENOSINES: AGONISTS FOR ADENOSINE RECEPTORS" NUCLEOSIDES & NUCLEOTIDES, MARCEL DEKKER, INC, US, vol. 14, no. 3-5, 1995, pages 537-539, XP009017441 ISSN: 0732-8311 scheme 1, last compound ---	1
X	HOCEK M ET AL: "COVALENT ANALOGUES OF DNA BASE-PAIRS AND TRIPLETS. PART 2: SYNTHESIS AND CYTOSTATIC ACTIVITY OF BIS(PURIN-6-YL)ACETYLENES, -DIACETYLENES AND RELATED COMPOUNDS" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 12, no. 7, 2002, pages 1055-1058, XP009017440 ISSN: 0960-894X page 1056; examples 1,5 ---	5
X	HOCEK M ET AL: "COVALENT ANALOGUES OF DNA BASE-PAIRS AND TRIPLETS V+. SYNTHESIS OF PURINE-PURINE AND PURINE-PYRIMIDINE CONJUGATES CONNECTED BY DIVERSE TYPES OF ACYCLIC CARBON LINKAGES" COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, ACADEMIC PRESS, LONDON, GB, vol. 67, no. 10, 2002, pages 1560-1578, XP009017464 ISSN: 0010-0765 page 1562, compounds 1a to 1c ---	5
X	MAGER P P: "NEURAL NETWORK APPROACHES APPLIED TO SELECTIVE A2A ADENOSINE RECEPTOR AGONISTS" MEDICINAL CHEMISTRY RESEARCH, BIRKHAUSER, BOSTON, US, vol. 8, no. 6, 1998, pages 277-290, XP000952528 ISSN: 1054-2523 page 282; figure 1 ---	1
X	LEGRAVEREND M ET AL: "Synthesis of C2 alkynylated purines, a new family of potent inhibitors of cyclin-dependent kinases" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 8, no. 7, 7 April 1998 (1998-04-07), pages 793-798, XP004136967 ISSN: 0960-894X page 794 -page 795; examples 2A-2H ---	1

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CAMAIONI E ET AL: "NEW SUBSTITUTED 9-ALKYLPURINES AS ADENOSINE RECEPTOR LIGANDS"  BIOORGANIC &amp; MEDICINAL CHEMISTRY, ELSEVIER  SCIENCE LTD, GB,  vol. 6, no. 5, 1998, pages 523-533,  XP002926121  ISSN: 0968-0896  page 524; examples 10C,10D</p>	1
X	<p>MATSUDA A ET AL: "Nucleosides and nucleotides. 103. 2-Alkyladenosines: a novel class of selective adenosine A2 receptor agonists with potent antihypertensive effects"  JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US,  vol. 35, 1992, pages 241-252, XP002170995  ISSN: 0022-2623  examples 9,14,22,23; table II</p>	1,5
X	<p>BAKKESTUEN A K ET AL: "9-Benzylpurines with inhibitory activity against Mycobacterium tuberculosis"  BIOORGANIC &amp; MEDICINAL CHEMISTRY LETTERS, OXFORD, GB,  vol. 10, no. 11, June 2000 (2000-06),  pages 1207-1210, XP004200557  ISSN: 0960-894X  page 1208 -page 1209; examples 2A-2C,4A,4H,11D</p>	1,5
A	<p>EP 1 054 012 A (EISAI CO LTD)  22 November 2000 (2000-11-22)  cited in the application  the whole document</p>	1,5

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0488336	A	03-06-1992	AT 122355 T	15-05-1995
			CA 2056596 A1	31-05-1992
			DE 69109631 D1	14-06-1995
			DE 69109631 T2	07-09-1995
			EP 0488336 A1	03-06-1992
			ES 2073653 T3	16-08-1995
			US 5189027 A	23-02-1993
			JP 5163294 A	29-06-1993
<hr/>				
EP 1054012	A	22-11-2000	AT 242775 T	15-06-2003
			AU 1688599 A	26-07-1999
			CA 2315736 A1	15-07-1999
			DE 69815554 D1	17-07-2003
			EP 1054012 A1	22-11-2000
			US 6579868 B1	17-06-2003
			EP 1300147 A1	09-04-2003
			WO 9935147 A1	15-07-1999
			JP 11263789 A	28-09-1999
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